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RELIABILITY PREDICTION

Model : LPS-100 Data:1999-12-31

Style	Part Type	Q'ty	λ_g	π_Q	λ_{eg}	%
9.1	Resistor-Film, Insulated (RL)	2	0.003700	10	0.074000	1.507
9.1	Resistor-Film, Chip (RM)	61	0.003700	10	2.257000	45.953
9.1	Resistor-Film, Variable (RVC)	1	0.040000	10	0.400000	8.144
9.1	Resistor-Thermistor (RTH)	1	0.001400	10	0.014000	0.285
10.1	Capacitor-Metal, Plastic (CH)	4	0.000510	10	0.020400	0.415
10.1	Capacitor-Ceramic(Gen.) (CK)	9	0.001700	10	0.153000	3.115
10.1	Capacitor-Ceramic chip (CDR)	9	0.003500	10	0.315000	6.413
10.1	Capacitor-Aluminum Dry (CE)	10	0.001300	10	0.130000	2.647
6.1	Diode-Gen. Purpose Analog	1	0.003600	8	0.028800	0.586
6.1	Diode-Switching	3	0.000940	8	0.022560	0.459
6.1	Diode-Fast Recovery Power Rectifier	2	0.023000	8	0.368000	7.493
6.1	Diode-Power Rectifier / Schottky Power	4	0.002800	8	0.089600	1.824
6.1	Diode-Voltage Ref/Reg. (Avalanche & Zener)	4	0.003300	8	0.105600	2.150
6.1	Diode-Transient Suppressor/Varistor	3	0.002900	8	0.069600	1.417
6.10	Diode-Thyristor/SCR	2	0.002500	8	0.040000	0.814
6.3	Transistor-NPN/PNP	8	0.000150	8	0.009600	0.195
6.4	Transistor-MOSFET	1	0.014000	8	0.112000	2.280
6.11	OPTO-isolator	2	0.027000	8	0.432000	8.796
5.1	Linear Microcircuits	2	0.009500	10	0.190000	3.868
11.1	Transformer Switching	1	0.000610	3	0.001830	0.037
11.2	Coil Fixed inductor or choke	3	0.000032	3	0.000288	0.006
17.1	Single Connections-Reflow solder	348	0.000069	1	0.024012	0.489
17.1	Fuses Clip-Clip Termination	2	0.000120	1	0.000240	0.005
22.1	Fuses	1	0.010000	1	0.010000	0.204
16.1	Plated Through Hole Circuit Boards	1	0.022000	2	0.044000	0.896
Total Failure rate:					4.911530	100%

- **Data Base: MIL-HDBK-217F ,Notice 2, Parts Count**
- **Env.: GB**

MTBF: 203602.54 **hrs**

Approved by: David Wang Compiled by: Kim Tseng